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APPLICATION N	O. FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,110	(01/20/2004	Mitsunori Ishimasa	36856.1193	6957
35510	7590	01/19/2005		EXAMINER	
KEATING & BENNETT, LLP				BUDD, MARK OSBORNE	
10400 EA	TON PLACE	Е			
SUITE 312				ART UNIT	PAPER NUMBER
FAIRFAX, VA 22030				2834	

DATE MAILED: 01/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 1-20-04.

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

4) Interview Summary (PTO-413)

Paper No(s)/Mail Date. _

6) [] Other: _

5) Notice of Informal Patent Application (PTO-152)

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are vague and indefinite. Note the last clause of claim 1 "a cradle is provided – the cradle is located — between an upper surface of the cradle and a bottom surface of the piezoelectric diaphragm". Thus the cradle location is being defined relative to itself. Thus one cannot determine the mets and bounds of these claims.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 3-6 and 8-10 are rejected under 35 U.S.C. 102(a) as being anticipated by Takeshima (799).

Takeshima figs, 1 and 2 shows a rectangular piezoelectric diaphragm #1, a casing #10, a terminal #11 (fig. 3), first and second elastic adhesives (#13, #15) and a conductive adhesive (#14). The cradle is shown in fig. 4B. Regarding claims 3 and 4 note the materials used by Takehashi are the same disclosed by applicant (see e.g. col. 6, lines 6-31). Regarding clam 5, note the gap is note filled by adhesive in fig. 4B of Takehashi. The bimorph details of claims 7-10 are shown by Takehashi figs. 5 and 6.

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Claims 2 and 6 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Further cited of interest are Takeshima (299), Kishimoto and Tgakeshima (762).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark O. Budd whose telephone number is (571)272-2019. The examiner can normally be reached on Monday-Thursday from 6am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramirez, can be reached on ***. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Budd/ds

01/14/05